



Agriculture and
Agri-Food Canada

Agriculture et
Agroalimentaire Canada

Canada

The background of the slide features a horizontal landscape photograph of a bright yellow field under a blue sky with light clouds. A large, vibrant red maple leaf is positioned on the left side, partially overlapping the field and the title text.

Action Items from the 2016 Drought Monitor Forum

Trevor Hadwen

*Agriculture and Agri-Food Canada
National Agroclimate Information Service
Regina, Saskatchewan, Canada*

*North American Drought Monitor Forum
Calgary, Alberta, May 1-3, 2018*

2016 Workshop Overview

- The 2016 NADM Forum was structured to include discussions on existing monitoring, assessment, and outlook tools and products, and to explore opportunities for enhanced collaboration and partnerships across sector and jurisdictional boundaries.
- Nearly 50 participants from the U.S., Canada, Mexico and the Caribbean attended

Workshop Goals

1. Report on the status and progress of improving NADM- and NASFAO-related drought monitoring, fire monitoring, and forecasting.
2. Address administrative, technical, scientific, and user issues related to the production of NADM and NASFAO maps and narratives.
3. Share knowledge and practices between the U.S., Canada and Mexico
4. Explore emerging opportunities for development, delivery and utilization of transboundary products, building on the synergies between drought and fire.

Recommendations - Drought Monitoring

- improving the timeliness of NADM products;
- enhancing web presence and outreach;
- increasing the awareness of impact reporting;
- assess the use of new products and scientific advances;
- develop tailored products for different stakeholders;
- develop an North American Drought Outlook;
- determine how to depict flash drought;
- Improve data being displayed for Canada within the continental indicators;

Recommendations - Drought Monitoring

- Update standardizing period for the continental indicators from 1951-2001;
- Add links to the CDM and MDM to the NADM site;
- Prepare a guidebook for NADM authors containing ArcGIS instructions...,
- Develop FTP site for NADM shapefiles;
- Explore using web-searchable html for narratives;
- Explore creating time series products of percent area in drought for specialized regions such as agricultural regions and other hydrological regions.

Fire Forecasting Recommendations

- improving product reliability with antecedent conditions and model input;
- enhancing efforts related to user feedback and engagement; and
- improving the product development process
- Add a link on NADM to the North American Seasonal Fire Assessment and Outlook (NASFAO) web page;
- Develop webpage with the NADM map and NASFAO map side by side; and
- Add NASFAO authors to the NADM listserver.

Collaboration Recommendations

- Participants urged the establishment of demonstration projects to overlap with the approaching La Niña. Two potentials were identified:
 - the Rio Grande/Rio Bravo, and
 - the Pacific Northwest

Progress on Recommendations

- timeliness of NADM products – progress has been made
- cross linking products on each others websites
- impact reporting
- enhancing web presence and outreach;
- Creating percent area in drought for specialized regions such as agricultural/hydrological regions – in progress
- Fire outlooks are including the Drought Monitor products within their reports
- Continental indicators – Significant progress
- North American Drought Outlook
- Flash drought
- Transboundry Demonstration projects - USDA and NDMC hosted early warning workshops along the Rio Grande in 2016/2017



Thank You

Trevor Hadwen
trevor.hadwen@agr.gc.ca